

November 12, 1952

Dear Dave:

I have to be very apologetic about not answering you sooner. Mostly, I could not make up my mind whether you would want any of the cultures we do have. I may as well just list them, and I will send back any of these you want by return mail.

Actually, I was surprised to see how very few purineless mutants we have gotten. An adenine-thymineless turned up frequently in Esther's *lac*⁻ experiments (see last Genetics) but these are usually rather unstable, being strongly selected against on nutrient agar. We did send some of these once to Bernie Davis; perhaps he saved some. In addition we have (I hope) the following K-12 derivatives:

W-589 (= E. Karp/Luria 17512) adenine; tryptophane

W-590 (= Luria 109A) This is a funny one; it seemed to be adenine or
(guanine + uracil)

W-1276 (Novick's) Hypoxanthine (or adn or guan, not xanth)
58-5417 biotin uracil

also, single lyophil tubes (from Ed?) of

58-5273 biotin, adenine

58-5631 : You tell me what this is.

In another coli line (wg-11) we have W-1926 : threonine + purine
(not adenine, but diaminopurine ok). Bernie has this too; so do we.

We have some more in *Salmonella* and *Pseudomonas*, but I didn't suppose you could use these.

We have no vitaminless coli (exc. biotin and thiamin) worth mentioning. Maas has some pantothenate mutants.

I hope the good new of your blast letter has materialized.

Contritely,

Joshua Lederberg